



Supporting Information S7 Fig. Lateral Mean-square displacements (MSDs) of two groups of cholesterol molecules in system III. MSDs (mean square displacements) of bound and free cholesterol molecules over the MD simulation in NVT ensemble are shown in red and blue, respectively. The lateral diffusion coefficients of bound cholesterol molecules and free cholesterol molecules are $5 \cdot 10^{-8} \text{ cm}^2 \text{ s}^{-1}$, $8 \cdot 10^{-8} \text{ cm}^2 \text{ s}^{-1}$, respectively.